Telephone Interview Agenda
Application: 10/735,938

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Differences with the cited art

Chase (Dynamic Virtual Data Clusters in a Grid Site Manager, June 22, 2003, 12th IEEE
International Symposium on High Performance Distributed Computing, pp. 90-100) teaches
dynamic resource management for clusters in a grid. VCM server invokes resize function every
epoch seconds, which requests nodes for queued jobs and relinquishes idle nodes. Chase, § 4.
Chase and Fu share authors and deal with SHARP.

Fu (SHARP: An Architecture for Secure Resource Peering, October 19, 2003, ACM SOSP pp.
133-148) teaches an Internet scale grid computing network. Failed claims on resources expire.
Fu, § 4.

The invention dynamically allocates and reclaims grid computing resources. A predictive trigger
event comprising an anticipated change in data flow triggers an autonomic regulation of a system
resource. In contrast, Chase and Fu disclose allocating resources for queued jobs and
relinquishing idle nodes, but not changing resource allocation due to anticipated changes in data
flow.

Proposed Amendment

1.   An autonomic management apparatus for autonomic management of system resources on
a grid computing system, the apparatus comprising:

        a storage device storing executable code;

        a processor executing the executable code, the executable code comprising:

        a monitor module configured to monitor the grid computing system for a <u>predictive</u>
trigger event <u>comprising an anticipated change in data flow</u>;

        a policy module configured to access one of a plurality of system policies, each of the
plurality of system policies corresponding to an operational control parameter of a system
resource of the grid computing system, wherein the plurality of system policies comprises a
system prediction policy; and

a regulation module configured to autonomically regulate the system resource in response to <u>the anticipated change in data flow</u><s>a recognized trigger event according to one of the plurality of system policies</s>.